ELSEVIER

Thermochimica Acta 251 (1995) 393

thermochimica acta

Author index

Aki, H. 379
Alyabyev, A.Ju. 351, 357
Andreyeva, I.N. 63
Anekonda, T.S. 335
Aust, L. 271

Bach, F. 161, 227
Bäckman, P. 323
Bader, A.E. 307
Battley, E.H. 207
Bauer, M. 161
Blüthner-Hässler, C. 145
Breidenbach, R.W. 323, 335
Bretschneider, H.J. 161
Busch, C. 85

Colonna, G. 371
Criddle, R.S. 335

Dauncey, M.J. 319
Dobrzycka, A. 11
Duboc, P. 119, 131
Dziejowski, J.E. 37

Estrina, R.I. 357

Fagher, B. 183
Fidhiany, L. 283, 303
Fiebich, K. 29
Frenz, U. 271
Fritzsche, D. 1
Fürst, P. 155

Gebreselassie, D. 177
Giering, K. 199
Goto, M. 379
Grieshaber, M.K. 45
Grosshans, U. 85
Grubb, A. 173
Gustafsson, L. 69, 99

Handke, A. 199
Hansen, L.D. 335
Harak, M. 247
Hiiesaar, K. 247
Höhne, G.W.H. 307
Hönle, S. 307

Johansson, P. 323

Kallerhoff, M. 145
Kamenir, Y. 53
Karnebogen, M. 145
Kemp, R.B. 389
Kettrup, A. 29
Klementyeva, G.S. 63, 351
Koop, J.H.E. 45
Kuhn, H.-J. 227
Kuusik, A. 247

Lamprecht, I. 199, 261, 293
Larsen, R. 161
Larsson, C. 99
Ljunggren, L. 173, 177
Lopukhin, A. 53
Loseva, N.L. 351, 357

Marison, I.W. 79, 99
Matuschka, F.-R. 261
Meier-Schneiders, M. 85
Menoud, L. 79
Merckx, R. 21
Metspalu, L. 247
Minet, O. 199
Monti, M. 173, 177, 183, 191
Moratzky, T. 209

Nittinger, J. 155
Noack, R. 271

Ogorodnikova, T.I. 63

Petrov, V.Ye. 63, 351

Rackimova, G.G. 357
Ragone, R. 371
Ringert, R.H. 145
Ryazantseva, I.N. 63

Schaarschmidt, B. 261
Schäfer, F. 85
Schendel, W. 145
Schill, N. 71
Schmolz, E. 241, 293
Schoovaerts, R. 21
Schricker, B. 293
Schröter, W. 219
Schulz, O. 241
Schunck, O. 227
Singer, D. 145, 161, 219, 227
Speer, C. 219
Stege, D. 219
Stiuso, P. 371
Szaniawska, A. 11

Tancho, A. 21
Tartes, U. 247
Thumm, W. 29
Thysell, H. 173
Tribunskich, V.I. 351

Valdemarsson, S. 191
van Kleeff, B.H.A. 111
Vlassak, K. 21
von Oertzen, J.-A. 1
von Stockar, U. 71, 79, 99, 119, 131

Wadsö, I. 323
Wegener, G. 209
Winckler, K. 255, 283, 303

Yamamoto, M. 379

Zange, J. 45
Zöller, G. 145
Zotin, A.I. 363

ELSEVIER

Thermochimica Acta 251 (1995) 395–402

thermochimica acta

Subject index

Adrenergic receptor
Beta-adrenoceptor antagonist therapy in hyperthyroidism: effects on lymphocyte metabolic activity and the relation between aerobic and anaerobic metabolism in lymphocytes 191
Thermogenic effect of two β-adrenoceptor blocking drugs, propranolol and carvedilol, on skeletal muscle in rats. A microcalorimetric study 183
Aerobic
Impact of carbon dioxide evolution on the calorimetric monitoring of fermentations 85
Albumin
Thermodynamic aspects of the molecular recognition of drugs by human serum albumin 379
Alga
A differential photomicrocalorimetric method for investigating the rate of energy storage in plants 351
Aspects of the energetic balance of plant cells under different salt conditions 357
Allometry
Size effects on metabolic rate in cell, tissue, and body calorimetry 227
Anaerobic
Impact of carbon dioxide evolution on the calorimetric monitoring of fermentations 85
Animal wastewater
Calorimetric and respirometric characteristics of the decomposition of animal wastewaters in soil 37
Anoxia
Bioenergetics of a highly adaptable brackish water polychaete 1
Hypoxia and anoxia in insects: microcalorimetric studies on two species (*Locusta migratoria* and *Manduca sexta*) showing different degrees of anoxia tolerance 209
Apis
A method for continuous direct calorimetric measurements of energy metabolism in intact hornet (*Vespa crabro*) and honeybee (*Apis mellifera*) colonies 293
Aquatic animal
A portable unit for direct calorimetry of small aquatic animals 255
A portable, battery-powered unit for oximetry on small aquatic animals 303
Aquatic ecology
Size spectra of heat production of microplankton of Sevastopol Bay 53
ATP
Metabolic uncoupling in *Saccharomyces cerevisiae* 99
Prediction of recovery after ischemia. A microcalorimetric and biochemical study of rat liver tissue 161
Thermogenic effect of two β-adrenoceptor blocking drugs, propranolol and carvedilol, on skeletal muscle in rats. A microcalorimetric study 183

Bacteria
Pigment-dependent light influence on the energetics of *Serratia marcescens* 63
Baseline evaluation
On-line detection of baseline variations through torque measurements in isothermal reaction calorimeters 79
Benign
Influence of malignancy and cyctostatic treatment on microcalorimetric behaviour of urological tissue samples and cell cultures 145
Bioenergetics
A method for continuous direct calorimetric measurements of energy metabolism in intact hornet (*Vespa crabro*) and honeybee (*Apis mellifera*) colonies 293
Bioenergetics of a highly adaptable brackish water polychaete 1

Comparative investigations on the effect of environmental salt stress on energy metabolism of amphipods estimated by ^{31}P NMR spectroscopy and microcalorimetry 45
Biomass
Metabolic uncoupling in *Saccharomyces cerevisiae* 99
Site-fitness and growth-rate selection of *Eucalyptus* for biomass production 335
Blood
Microcalorimetric determination of blood heat output in human neonates 219

Calorimetry
A method for continuous direct calorimetric measurements of energy metabolism in intact hornet (*Vespa crabro*) and honeybee (*Apis mellifera*) colonies 293
A portable unit for direct calorimetry of small aquatic animals 255
Beta-adrenoceptor antagonist therapy in hyperthyroidism: effects on lymphocyte metabolic activity and the relation between aerobic and anaerobic metabolism in lymphocytes 191
Bioenergetics of a highly adaptable brackish water polychaete 1
Calculating locomotor activity and energy utilisation factors from indirect calorimetric measurements 271
Calorimetric and respirometric characteristics of the decomposition of animal wastewaters in soil 37
Calorimetric investigations on thermoregulation and growth of wax moth larvae *Galleria mellonella* 241
Degradation of naphthalene by *Pseudomonas* sp. strain KR3 investigated by flow calorimetry 29
Direct and indirect calorimetric investigations on some snakes 261
Energetic study of human lymphocytes and the metabolic response to antigenic stimulation 177
Measurement of oxygen consumption and heat production in plasma from uremic patients on chronic dialysis treatment 173
Site-fitness and growth-rate selection of *Eucalyptus* for biomass production 335
Size effects on metabolic rate in cell, tissue, and body calorimetry 227
Studies on insect growth regulating (IGR) and toxic effects of *Ledum palustre* extracts on *Tenebrio molitor* pupae (*Coleoptera, Tenebrionidae*) using calorimetric recordings 247
Candida
On-line heat flow measurement in laboratory fermenters 111
Carbon dioxide
Impact of carbon dioxide evolution on the calorimetric monitoring of fermentations 85
Carvedilol
Thermogenic effect of two β-adrenoceptor blocking drugs, propranolol and carvedilol, on skeletal muscle in rats. A microcalorimetric study 183
Cell culture
Cellular thermogenesis in L-929 mouse fibroblasts. The influence of oxygen availability on growth, heat production and intermediary metabolism 155
Chlorella
A differential photomicrocalorimetric method for investigating the rate of energy storage in plants 351
Aspects of the energetic balance of plant cells under different salt conditions 357
Cichlasoma nigrofasciatum
Specific oxygen consumption in two life stages of the cichlid fish *Cichlasoma nigrofasciatum* 283
Cichlid
Specific oxygen consumption in two life stages of the cichlid fish *Cichlasoma nigrofasciatum* 283
Corophium
Energy strategy of *Corophium volutator* (Pallas, 1766) (*Amphipoda*) population from the Gulf of Gdańsk 11
Crabtree effect
Cellular thermogenesis in L-929 mouse fibroblasts. The influence of oxygen availability on growth, heat production and intermediary metabolism 155
Cytostatic treatment
Influence of malignancy and cyctostatic treatment on microcalorimetric behaviour of urological tissue samples and cell cultures 145

Development
Specific oxygen consumption in two life stages of the cichlid fish *Cichlasoma nigrofasciatum* 283
Direct calorimeter
A portable unit for direct calorimetry of small aquatic animals 255

Direct and indirect calorimetric investigations on some snakes 261
Drug
Thermodynamic aspects of the molecular recognition of drugs by human serum albumin 379
DSC
Determination of the specific heat capacity of healthy and tumorous human tissue 199

Ecdysis
Studies on insect growth regulating (IGR) and toxic effects of *Ledum palustre* extracts on *Tenebrio molitor* pupae (*Coleoptera, Tenebrionidae*) using calorimetric recordings 247
Ecological stress
Aspects of the energetic balance of plant cells under different salt conditions 357
EMF
Physical properties of a vacuum-deposited thermopile for heat measurements 307
Energetic balance
Aspects of the energetic balance of plant cells under different salt conditions 357
Energetic coefficient
Calorimetric and respirometric characteristics of the decomposition of animal wastewaters in soil 37
Energy balance
Energetic investigation of *Saccharomyces cerevisiae* during transitions. Part 2. Energy balance and thermodynamic efficiency 131
Energy expenditure
Calculating locomotor activity and energy utilisation factors from indirect calorimetric measurements 271
Energy storage
A differential photomicrocalorimetric method for investigating the rate of energy storage in plants 351
Energy strategy
Energy strategy of *Corophium volutator* (Pallas, 1766) (*Amphipoda*) population from the Gulf of Gdańsk 11
Enthalpy
Energetic investigation of *Saccharomyces cerevisiae* during transitions. Part 2. Energy balance and thermodynamic efficiency 131
Enthalpy convergence temperatures: proteins and model compounds 371
Thermodynamic aspects of the molecular recognition of drugs by human serum albumin 379
Entropy
Thermodynamic aspects of the molecular recognition of drugs by human serum albumin 379
Eucalyptus
Site-fitness and growth-rate selection of *Eucalyptus* for biomass production 335

Fermentation
Impact of carbon dioxide evolution on the calorimetric monitoring of fermentations 85
Finite element method
Physical properties of a vacuum-deposited thermopile for heat measurements 307
Fish
A portable unit for direct calorimetry of small aquatic animals 255
A portable, battery-powered unit for oximetry on small aquatic animals 303
Specific oxygen consumption in two life stages of the cichlid fish *Cichlasoma nigrofasciatum* 283
Flow calorimetry
Degradation of naphthalene by *Pseudomonas* sp. strain KR3 investigated by flow calorimetry 29

Galleria mellonella
Calorimetric investigations on thermoregulation and growth of wax moth larvae *Galleria mellonella* 241
Gammarus
Comparative investigations on the effect of environmental salt stress on energy metabolism of amphipods estimated by ^{31}P NMR spectroscopy and microcalorimetry 45
Gas perfusion microcalorimeter
A gas perfusion microcalorimeter for studies of plant tissue 323
Glucose pulse
On-line heat flow measurement in laboratory fermenters 111
Glycolysis
Metabolic uncoupling in *Saccharomyces cerevisiae* 99
Gulf of Gdańsk
Energy strategy of *Corophium volutator* (Pallas, 1766) (*Amphipoda*) population from the Gulf of Gdańsk 11

Heat of growth
On-line heat flow measurement in laboratory fermenters 111

Heat production
Size spectra of heat production of microplankton of Sevastopol Bay 53
Heavy metal
Relation between substrate-induced respiration and heat loss from soil samples treated with various contaminants 21
Hediste
Bioenergetics of a highly adaptable brackish water polychaete 1
Homeorhesis
Stability and reliability of ontogenesis 363
Human serum albumin
Thermodynamic aspects of the molecular recognition of drugs by human serum albumin 379
Hydration
Enthalpy convergence temperatures: proteins and model compounds 371
Hyperthyroidism
Beta-adrenoceptor antagonist therapy in hyperthyroidism: effects on lymphocyte metabolic activity and the relation between aerobic and anaerobic metabolism in lymphocytes 191
Hypoxia
Bioenergetics of a highly adaptable brackish water polychaete 1
Hypoxia and anoxia in insects: microcalorimetric studies on two species (*Locusta migratoria* and *Manduca sexta*) showing different degrees of anoxia tolerance 209

Illumination
Pigment-dependent light influence on the energetics of *Serratia marcescens* 63
Indirect calorimetry
A portable, battery-powered unit for oximetry on small aquatic animals 303
Calculating locomotor activity and energy utilisation factors from indirect calorimetric measurements 271
Direct and indirect calorimetric investigations on some snakes 261
Size effects on metabolic rate in cell, tissue, and body calorimetry 227
Specific oxygen consumption in two life stages of the cichlid fish *Cichlasoma nigrofasciatum* 283
Instrument
Physical properties of a vacuum-deposited thermopile for heat measurements 307

Ischemia
Prediction of recovery after ischemia. A microcalorimetric and biochemical study of rat liver tissue 161
Isothermal reaction calorimeter
On-line detection of baseline variations through torque measurements in isothermal reaction calorimeters 79

Larval development
Calorimetric investigations on thermoregulation and growth of wax moth larvae *Galleria mellonella* 241
L-cell
Cellular thermogenesis in L-929 mouse fibroblasts. The influence of oxygen availability on growth, heat production and intermediary metabolism 155
Ledum
Studies on insect growth regulating (IGR) and toxic effects of *Ledum palustre* extracts on *Tenebrio molitor* pupae (*Coleoptera, Tenebrionidae*) using calorimetric recordings 247
Lipid
Energy strategy of *Corophium volutator* (Pallas, 1766) (*Amphipoda*) population from the Gulf of Gdańsk 11
Liver
Prediction of recovery after ischemia. A microcalorimetric and biochemical study of rat liver tissue 161
Locomotion
Calculating locomotor activity and energy utilisation factors from indirect calorimetric measurements 271
Locusta
Hypoxia and anoxia in insects: microcalorimetric studies on two species (*Locusta migratoria* and *Manduca sexta*) showing different degrees of anoxia tolerance 209
Lymphocyte
Beta-adrenoceptor antagonist therapy in hyperthyroidism: effects on lymphocyte metabolic activity and the relation between aerobic and anaerobic metabolism in lymphocytes 191
Energetic study of human lymphocytes and the metabolic response to antigenic stimulation 177

Malignant
Influence of malignancy and cyctostatic treatment on microcalorimetric behaviour of urological tissue samples and cell cultures 145

Manduca
Hypoxia and anoxia in insects: microcalorimetric studies on two species (*Locusta migratoria* and *Manduca sexta*) showing different degrees of anoxia tolerance 209
Marenzelleria
Bioenergetics of a highly adaptable brackish water polychaete 1
Mass balance
Energetic investigation of *Saccharomyces cerevisiae* during transitions. Part 1. Mass balances 119
Metabolic rate
Direct and indirect calorimetric investigations on some snakes 261
Prediction of recovery after ischemia. A microcalorimetric and biochemical study of rat liver tissue 161
Size effects on metabolic rate in cell, tissue, and body calorimetry 227
Metabolism
Beta-adrenoceptor antagonist therapy in hyperthyroidism: effects on lymphocyte metabolic activity and the relation between aerobic and anaerobic metabolism in lymphocytes 191
Calorimetric investigations on thermoregulation and growth of wax moth larvae *Galleria mellonella* 241
Comparative investigations on the effect of environmental salt stress on energy metabolism of amphipods estimated by ^{31}P NMR spectroscopy and microcalorimetry 45
Energetic investigation of *Saccharomyces cerevisiae* during transitions. Part 1. Mass balances 119
Energetic study of human lymphocytes and the metabolic response to antigenic stimulation 177
Site-fitness and growth-rate selection of *Eucalyptus* for biomass production 335
Studies on insect growth regulating (IGR) and toxic effects of *Ledum palustre* extracts on *Tenebrio molitor* pupae (*Coleoptera, Tenebrionidae*) using calorimetric recordings 247
Methanobacterium
Thermodynamic analysis of *Methanobacterium thermoautotrophicum* 71
Microbial calorimetry
On-line heat flow measurement in laboratory fermenters 111
Microcalorimetry
A gas perfusion microcalorimeter for studies of plant tissue 323
Aspects of the energetic balance of plant cells under different salt conditions 357
Cellular thermogenesis in L-929 mouse fibroblasts. The influence of oxygen availability on growth, heat production and intermediary metabolism 155
Comparative investigations on the effect of environmental salt stress on energy metabolism of amphipods estimated by ^{31}P NMR spectroscopy and microcalorimetry 45
Hypoxia and anoxia in insects: microcalorimetric studies on two species (*Locusta migratoria* and *Manduca sexta*) showing different degrees of anoxia tolerance 209
Influence of malignancy and cyctostatic treatment on microcalorimetric behaviour of urological tissue samples and cell cultures 145
Microcalorimetric determination of blood heat output in human neonates 219
Prediction of recovery after ischemia. A microcalorimetric and biochemical study of rat liver tissue 161
Microplankton
Size spectra of heat production of microplankton of Sevastopol Bay 53
Model
Enthalpy convergence temperatures: proteins and model compounds 371
Physical properties of a vacuum-deposited thermopile for heat measurements 307
Site-fitness and growth-rate selection of *Eucalyptus* for biomass production 335
Muscle
Physical properties of a vacuum-deposited thermopile for heat measurements 307

Naphthalene
Degradation of naphthalene by *Pseudomonas* sp. strain KR3 investigated by flow calorimetry 29
Neonate
Microcalorimetric determination of blood heat output in human neonates 219
Nereis
Bioenergetics of a highly adaptable brackish water polychaete 1
NMR
Comparative investigations on the effect of environmental salt stress on energy metabolism of amphipods estimated by ^{31}P NMR spectroscopy and microcalorimetry 45

Ontogenesis
Stability and reliability of ontogenesis 363

Oximetry
A portable, battery-powered unit for oximetry on small aquatic animals 303
Specific oxygen consumption in two life stages of the cichlid fish *Cichlasoma nigrofasciatum* 283
Oxygen availability
Cellular thermogenesis in L-929 mouse fibroblasts. The influence of oxygen availability on growth, heat production and intermediary metabolism 155
Oxygen consumption
Measurement of oxygen consumption and heat production in plasma from uremic patients on chronic dialysis treatment 173

PAH
Degradation of naphthalene by *Pseudomonas* sp. strain KR3 investigated by flow calorimetry 29
Pesticide
Relation between substrate-induced respiration and heat loss from soil samples treated with various contaminants 21
pH
Impact of carbon dioxide evolution on the calorimetric monitoring of fermentations 85
Photomicrocalorimetry
A differential photomicrocalorimetric method for investigating the rate of energy storage in plants 351
Pigment-dependent light influence on the energetics of *Serratia marcescens* 63
Phototransformation
Pigment-dependent light influence on the energetics of *Serratia marcescens* 63
Phytohaemagglutinin
Energetic study of human lymphocytes and the metabolic response to antigenic stimulation 177
Pigment
Pigment-dependent light influence on the energetics of *Serratia marcescens* 63
Plasma
Measurement of oxygen consumption and heat production in plasma from uremic patients on chronic dialysis treatment 173
Polychaete
Bioenergetics of a highly adaptable brackish water polychaete 1
Portable equipment
A portable, battery-powered unit for oximetry on small aquatic animals 303
Postprandial thermogenesis
Calculating locomotor activity and energy utilisation factors from indirect calorimetric measurements 271
Potato
A gas perfusion microcalorimeter for studies of plant tissue 323
Propranolol
Thermogenic effect of two β-adrenoceptor blocking drugs, propranolol and carvedilol, on skeletal muscle in rats. A microcalorimetric study 183
Protein
Enthalpy convergence temperatures: proteins and model compounds 371
Pseudomonas
Degradation of naphthalene by *Pseudomonas* sp. strain KR3 investigated by flow calorimetry 29
Puck Bay
Energy strategy of *Corophium volutator* (Pallas, 1766) (*Amphipoda*) population from the Gulf of Gdańsk 11
Pupa
Studies on insect growth regulating (IGR) and toxic effects of *Ledum palustre* extracts on *Tenebrio molitor* pupae (*Coleoptera, Tenebrionidae*) using calorimetric recordings 247

Reliability
Stability and reliability of ontogenesis 363
Reperfusion
Prediction of recovery after ischemia. A microcalorimetric and biochemical study of rat liver tissue 161
Respiration
Relation between substrate-induced respiration and heat loss from soil samples treated with various contaminants 21
Respirometry
Bioenergetics of a highly adaptable brackish water polychaete 1
Calorimetric and respirometric characteristics of the decomposition of animal wastewaters in soil 37

Saccharomyces
Metabolic uncoupling in *Saccharomyces cerevisiae* 99
On-line heat flow measurement in laboratory fermenters 111

Saccharomyces cerevisiae
Energetic investigation of *Saccharomyces cerevisiae* during transitions. Part 1. Mass balances 119
Energetic investigation of *Saccharomyces cerevisiae* during transitions. Part 2. Energy balance and thermodynamic efficiency 131
Saccharopolyspora
On-line detection of baseline variations through torque measurements in isothermal reaction calorimeters 79
Salt
Aspects of the energetic balance of plant cells under different salt conditions 357
Salt pollution
Comparative investigations on the effect of environmental salt stress on energy metabolism of amphipods estimated by ^{31}P NMR spectroscopy and microcalorimetry 45
Serratia
Pigment-dependent light influence on the energetics of *Serratia marcescens* 63
Size effect
Size effects on metabolic rate in cell, tissue, and body calorimetry 227
Size spectra
Size spectra of heat production of microplankton of Sevastopol Bay 53
Skeletal muscle
Thermogenic effect of two β-adrenoceptor blocking drugs, propranolol and carvedilol, on skeletal muscle in rats. A microcalorimetric study 183
Snake
Direct and indirect calorimetric investigations on some snakes 261
Soil
Calorimetric and respirometric characteristics of the decomposition of animal wastewaters in soil 37
Relation between substrate-induced respiration and heat loss from soil samples treated with various contaminants 21
Specific heat capacity
Determination of the specific heat capacity of healthy and tumorous human tissue 199
Stability
Stability and reliability of ontogenesis 363

Tenebrio
Studies on insect growth regulating (IGR) and toxic effects of *Ledum palustre* extracts on *Tenebrio molitor* pupae (*Coleoptera, Tenebrionidae*) using calorimetric recordings 247
Thermodynamic efficiency
Energetic investigation of *Saccharomyces cerevisiae* during transitions. Part 2. Energy balance and thermodynamic efficiency 131
Thermodynamics
Stability and reliability of ontogenesis 363
Thermodynamic analysis of *Methanobacterium thermoautotrophicum* 71
Thermogenesis
Cellular thermogenesis in L-929 mouse fibroblasts. The influence of oxygen availability on growth, heat production and intermediary metabolism 155
Thermogenic effect of two β-adrenoceptor blocking drugs, propranolol and carvedilol, on skeletal muscle in rats. A microcalorimetric study 183
Thermopile
Physical properties of a vacuum-deposited thermopile for heat measurements 307
Thermoregulation
Calorimetric investigations on thermoregulation and growth of wax moth larvae *Galleria mellonella* 241
Thyroid hormone
Beta-adrenoceptor antagonist therapy in hyperthyroidism: effects on lymphocyte metabolic activity and the relation between aerobic and anaerobic metabolism in lymphocytes 191
Transition
Energetic investigation of *Saccharomyces cerevisiae* during transitions. Part 1. Mass balances 119
Energetic investigation of *Saccharomyces cerevisiae* during transitions. Part 2. Energy balance and thermodynamic efficiency 131
Tumour
Determination of the specific heat capacity of healthy and tumorous human tissue 199
Influence of malignancy and cyctostatic treatment on microcalorimetric behaviour of urological tissue samples and cell cultures 145

Uncoupling
Metabolic uncoupling in *Saccharomyces cerevisiae* 99
Uremia
Measurement of oxygen consumption and heat production in plasma from uremic patients on chronic dialysis treatment 173

Urogenital tract
Influence of malignancy and cyctostatic treatment on microcalorimetric behaviour of urological tissue samples and cell cultures 145

Vacuum deposition
Physical properties of a vacuum-deposited thermopile for heat measurements 307

Vespa
A method for continuous direct calorimetric measurements of energy metabolism in intact hornet (*Vespa crabro*) and honeybee (*Apis mellifera*) colonies 293

Wastewater
Calorimetric and respirometric characteristics of the decomposition of animal wastewaters in soil 37

Zymomonas
Impact of carbon dioxide evolution on the calorimetric monitoring of fermentations 85